



Attorney Docket No. PP000154.206
2300-0154.01
PATENT

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By: _____

Anne Currier Carr

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

RALSTON et al.

Examiner: Myron G. Hill

Application No.: 09/929,782

Art Unit: 1648

Filed: August 13, 2001

Confirmation No.: 1144

For: ANTIBODIES TO HEPATITIS C VIRUS ASIALOGLYCOPROTEINS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

Sir:

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copy of the publication _____ listed on the attached Form PTO/SB/08A are being provided because the Office waives the requirement under 37 C.F.R. 1.98 (a) (2) (i) for submitting a copy of each cited U.S. patent and each U. S. patent application publication for all U.S. national patent applications filed after June 30, 2003.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications

were previously cited by or submitted to the Office in prior Application Serial No. ____ to which the above-identified application claims priority under 35 U.S.C. §120.

- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☐ before the mailing date of a first office action on the merits; or
- ☒ **before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. §1.114.**

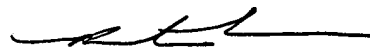
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 12/19/05

Respectfully submitted,

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By:



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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known	
			Application Number	09/929,782
			Filing Date	August 13, 2001
			First Named Inventor	RALSTON et al.
			Art Unit	1648
			Examiner Name	Myron G. Hill
Sheet 1	of 3	Attorney Docket Number	PP00154.206 (2300-0154.01)	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA				
	AB				
	AC				
	AD				
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	AF				
	AG				
	AH				
	AI				
	AJ				
	AK				
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	BA	EP	0 318 216	A1	05/31/1989	Chiron Corp.		<input type="checkbox"/>
	BB	EP	0 320 267	A2	12/10/1988	Cell-Bio Group, Ltd.		<input type="checkbox"/>
	BC	EP	0 388 232	A1	09/19/1990	Chiron Corp.		<input type="checkbox"/>
	BD	EP	0 450 931	A1	10/09/1991	Chiron Corp.		<input type="checkbox"/>
	BE	EP	0 556 292	B1	12/29/1999	Chiron Corp.		<input type="checkbox"/>
	BF							<input type="checkbox"/>
	BG							<input type="checkbox"/>
	BH							<input type="checkbox"/>
	BI							<input type="checkbox"/>
	BJ							<input type="checkbox"/>
	BK							<input type="checkbox"/>
	BL							<input type="checkbox"/>

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/929,782	
			Filing Date	August 13, 2001	
			First Named Inventor	RALSTON et al.	
			Art Unit	1648	
			Examiner Name	Myron G. Hill	
Sheet	2	of	3	Attorney Docket Number	PP00154.206 (2300-0154.01)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	U.S. Patent Application No. 07/504,352 entitled "Combinations of Hepatitis C Virus (HVC) Antigens for Use in Immunoassays for Anti-HVC Antibodies," filed April 4, 1990 (priority document of EP 0 450 931 A1), 58 pages.	
	CB	Communication of the European Patent Office in the Opposition to EP 0 556 292 B1, enclosing "Opposition to European Patent No 0 556 292," dated October 23, 2000, 48 pages.	
	CC	Letter from Carpmaels & Ransford to the European Patent Office in the Opposition to EP 0 556 292, regarding "Proprietor's Reply to Notice of Opposition," dated September 10, 2001, 8 pages.	
	CD	Communication of the European Patent Office in the Opposition to EP 0 556 292 B1, regarding "Preliminary Non-Binding Opinion of Opposition Division," dated August 1, 2002, 6 pages.	
	CF	Communication of the European Patent Office in the Opposition to EP 0 556 292 B1, entitled "Summons to Attend Oral Proceedings Pursuant to Rule 71(1) EPC," dated June 16, 2004, 3 pages.	
	CG	Communication of the European Patent Office in the Opposition to EP 0 842 947, entitled "Notice of Opposition to a European Patent," dated January 21, 2005, 17 pages.	
	CH	Darnell, et al., <u>Molecular Cell Biology</u> , Scientific Books, Inc., Freeman and Company, 41 Madison Ave., NY (1986), "Protein Glycosylation," pages 957-964.	
	CI	Hijikata, et al., "Gene Mapping of the Putative Structural Region of the Hepatitis C Virus Genome by <i>in vitro</i> Processing Analysis," Proc. Natl. Acad. Sci. USA (July 1991) 88:5547-5551.	
	CJ	Kukuruzinska, et al., "Protein Glycosylation in Yeast," Ann. Rev. Biochem. (1987) 56:915-944.	
	CK	Lok, et al., "Antibody Response to Core, Envelope and Non-structural Hepatitis C Virus Antigens: Comparison of Immunocompetent and Immunosuppressed Patients," Hepatology 18:497-502.	

Examiner Signature		Date Considered	
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	3	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CL	Rosa, et al., "A Quantitative Test to Estimate Neutralizing Antibodies to the Hepatitis C Virus: Cytofluorimetric Assessment of Envelope Glycoprotein 2 to Target Cells," Proc. Natl. Acad. Sci. US 93:1759-1763.	
	CM	Smith, et al., "Synthesis of Proteins and Glycoprotein in Dengue Type 2 Virus-Infected Vero and <i>Aedes Albopictus</i> Cells," J. Gen. Virol. 66:559-571.	
	CN	Stohlman, et al., "Isolation of the Dengue Virus Envelope Glycoprotein From Membranes of Infected Cells by Concanavalin A Affinity Chromatography," J. Virology 18:132-140.	
	CO	Wensvoort, et al., "Immunoaffinity Purification and Characterization of the Envelope Protein of Hog Cholera Virus," J. Gen. Virology 71:531-540.	
	CP	Winkler, et al. "Studies on the Glycosylation of Flavivirus E Protein and the Role of Carbohydrate in Antigenic Structure," Virology 159:237-243.	

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